

Work Order ID 139973

December 16, 2015 8:51:59 AM

139973

Page 1

Item ID: 646.4001 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: AS350 Cable Cutter System
 Start Date: 12/16/2015 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 1/8/2016 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: *SH* Date: **20151216** Tooling: Date:
 QC: Date: SPC (Y/N): Date:
 Run Start ***NR1***
 Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
646.4000	B

100	Document Control	0.00	DAS	6					
100	DOCUMENT CONTROL			9-89					

DC	Memo	0.00
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.4001	

BAS

27

9-89

JAN 15 2016

110	Pick Kit	0.00
-----	----------	------

110		
Packaging	Memo	0.00

Packaging

DAS

6

9-89

DAS JAN 08 2016

28

9-89

120	QC4- 100% Inspect kits for completeness	0.00
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120		
QC	Memo	0.00

Quality Control

JAN 15 2016

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Item ID: 646.4001 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: AS350 Cable Cutter System
Start Date: 12/16/2015 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 1/8/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00				27			
Packaging	Identify and pack for shipping as per PPP 646.4001 Location: _____					9-89			
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

ML5

JAN 15 2016

mf

16-1-15

Picklist Print

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Work Order ID: 139973

139973

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM
IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3301 *646 3301* Upper Cutter Assy DAS 27 9-89		Manufactured	No				Each	7.0000		1			DAS 6 9-89
				<u>Location</u>				<u>Loc Qty</u>					DAS 28 9-89
				cck018				7					
				136156				2					
				136497				5					
646.3001 *646 3001* Lower Cutter Assy DAS 27 9-89		Manufactured	No				Each	0.0000		1			DAS 6 9-89
										136276			DAS 28 9-89
646.2910 *646 2910* Deflector DAS 27 9-89		Manufactured	No				Each	8.0000		1			DAS 6 9-89
				<u>Location</u>				<u>Loc Qty</u>					DAS 28 9-89
				CCK050				8					
				136136				8					
646.3810 *646 3810* Bracket DAS 27 9-89		Manufactured	No				Each	10.0000		2			DAS 6 9-89
				<u>Location</u>				<u>Loc Qty</u>					DAS 28 9-89
				CCK106				10					
				136186				10					

ADD. 6ms24693-C278 x 5

133718

DAS
6
9-89

DAS
28
9-89

DAS
27
9-89

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Work Order ID: 139973

139973

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3510

Manufactured No

Each 6.0000

1

646 3510

Strut

DAS
27
9-89

Location

Loc Qty

Loc Code

cck104

6

136114

6

Each

5.0000

1

646.3511

Manufactured No

646 3511

Strut

DAS
27
9-89

Location

Loc Qty

Loc Code

cck104

5

136169

5

Each

91.0000

2

647.0112

Manufactured No

647 0112

Strut Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK007

91

M130388

91

Each

8.0000

2

647.7703

Manufactured No

647 7703

Strut Assembly

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK114

8

136459

4

138238

4

DAS
6
9-89

DAS
28
9-89

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Work Order ID: 139973

139973

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

Each

1,657.000

NAS1149F0332P

Washer

BAS
27
9-89

Location

Loc Qty

Loc Code

ST262

1657

m133709

1657

MS21042L3

Purchased

No

Each

1,830.000

MS21042L3

Nut

BAS
27
9-89

Location

Loc Qty

Loc Code

FP001

188

m133790

188

GA

279

m133790

279

ST304

1363

m133790

1363

646.3110

Manufactured

No

Each

8.0000

646 3110

Channel

BAS
27
9-89

Location

Loc Qty

Loc Code

cck020

8

136153

2

136492

6

646.3710

Manufactured

No

Each

15.0000

646 3710

Doubler

BAS
27
9-89

Location

Loc Qty

Loc Code

CCK002

15

127550

15

JAN 11 2016

DAS
6
9-89

DAS
28
9-89

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Work Order ID: 139973

139973

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3210

Manufactured No

Each

10.0000

1

646 3210

Support

DAS
6
9-89
DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck020

10

135549
136217

1

9

646.3713

Manufactured No

Each

6.0000

1

646 3713

Gusset

DAS
6
9-89
DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

6

120631

6

MS24694-S51

Purchased No

Each

61.0000

5

MS24694-S51

Screw

DAS
6
9-89
DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST284

61

m130928

61

AN3-13A

Purchased No

Each

46.0000

1

AN3-13A

Bolt

DAS
6
9-89
DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

3

m129682

3

GA

20

m127070

20

ST349

23

m131305

23

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Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

139973

646 4001

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-4A Purchased No

Each 178.0000 10

AN3-4A

Bolt

**

DAS 28 9-89

Location Loc Qty Loc Code

over003 100

m133694 100

ST350 78

m129682 13

m133234 65

CR3213-5-3 Purchased No

Each 116.0000 14

CR3213-5-3

Cherry Rivet

**

DAS 28 9-89

Location Loc Qty Loc Code

ST319 116

m130388 16

m132763 100

MS20470AD5-5.5 Purchased No

Each 127.0000 8

MS20470AD5-5 5

Rivet

**

DAS 6 9-89

Location Loc Qty Loc Code

ST309 127

123425 127

646.3711 Manufactured No

Each 26.0000 1

646 3711

Clip

**

DAS 28 9-89

Location Loc Qty Loc Code

cck105 26

120626 26

DAS 27 9-89

DAS 28 9-89

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Work Order ID: 139973

139973

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3712	Manufactured	No	Each	16.0000	1	DAS 6 9-89	DAS 28 9-89
646 3712							
Clip							

DAS 27 9-89	<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
	cck105	16					
	101119	1					
	120630	15					

646.3811	Manufactured	No	Each	12.0000	1	DAS 6 9-89	DAS 28 9-89
646 3811							
Radius Block							

DAS 27 9-89	<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
	CCK106	12					
	122938	12					

AN3-6A	Purchased	No	Each	148.0000	2	DAS 6 9-89	DAS 28 9-89
AN3-6A							
Bolt							

DAS 27 9-89	<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
	over003	100					
	M133561	100					
	ST338a	48					
	M131305	48					

MS24694-S55	Purchased	No	Each	76.0000	1	DAS 6 9-89	DAS 28 9-89
MS24694-S55							
Screw							

DAS 27 9-89	<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
	ST289	76					
	m132803	76					

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Work Order ID: 139973

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3610

Manufactured No

Each

5.0000

1

DAS

6

9-89

DAS

28

9-89

646 3610

Filler

DAS
27
9-89

Location

Loc Qty

Loc Code

cck104

5

136278

5

Each

8.0000

1

DAS

6

9-89

DAS

28

9-89

646.3714

Manufactured No

646 3714

Gusset

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

8

120632

8

Each

1,008.000

8

DAS

6

9-89

DAS

28

9-89

MS20470AD5-6

Purchased No

MS20470AD5-6

RIVET

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK004

890

124089

890

ST309

118

105433

118

Each

11.0000

2

DAS

6

9-89

DAS

28

9-89

646.3812

Manufactured No

646 3812

Gusset Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK106

11

136113

6

138194

5

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-3A

Purchased

No

Each

300.0000

4

AN3-3A

Bolt

DAS

28
9-89

DAS
6
9-89

Location

Loc Qty

Loc Code

over003

104

m131624

104

ST350

196

m133483

96

m133833

100

DAS
27
9-89

646.3813

Manufactured

No

Each

11.0000

1

646 3813

Strut Bracket

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

CCK106

11

127453

1

132541

5

138267

5

DAS
27
9-89

MS20470AD5-7

Purchased

No

Each

524.0000

3

MS20470AD5-7

Rivet

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST309

524

123425

524

DAS
27
9-89

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Work Order ID: 139973

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

MS21047-3

Purchased

No

Each

155.0000

18

MS21047-3

Nut Plate

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST301

147

m133234 2

47

m133577

50

m133790

50

ST303

8

m130388

8

CCR264SS3-02

Purchased

No

Each

398.0000

36

CCR264SS3-02

Rivet, Cherry

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST321

398

M132317

4

M133134

2

M133316

192

M133790

200

AN3-5A

Purchased

No

Each

161.0000

2

AN3-5A

Bolt

DAS
6
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

30

m133686

30

ST350

131

m133686

131

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Work Order ID: 139973

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3715

Manufactured No

Each

5.0000

2

646 3715

Strut Doubler

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

5

135537

5

2
6

DAS
28
9-89

MS27039-1-12

Purchased No

Each

128.0000

MS27039-1-12

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

over006

100

m133483

100

ST285

28

m133031

28

6
1

DAS
28
9-89

646.3716

Manufactured No

Each

12.0000

646 3716

Gauge Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

12

133105

1

136122

3

136410

8

8
1
2

DAS
28
9-89

MS20426AD5-7

Purchased No

Each

58.0000

MS20426AD5-7

RIVET

DAS
27
9-89

Location

Loc Qty

Loc Code

ST311

58

101340

8

M132767

50

2

DAS
28
9-89

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Work Order ID: 139973

139973

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

MS24694-S54

Purchased

No

Each

102.0000

2

MS24694-S54

SCREW

DAS

DAS

6

28

9-89

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

ST284

102

m133031

2

m133134

100

2

MS27039-1-21

Purchased

No

Each

396.0000

4

MS27039-1-21

Screw

DAS

28

9-89

DAS

6

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

over006

245

m127904

245

ST279

150

m127904

150

ST284

1

m126319

1

4

MS27039-1-20

Purchased

No

Each

190.0000

2

MS27039-1-20

Screw

DAS

28

9-89

DAS

6

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

ST284

190

124326

190

2

MS27039-1-19

Purchased

No

Each

134.0000

22

MS27039-1-19

Screw

DAS

28

9-89

DAS

6

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

GA

4

m124326

4

ST280

130

m133134

130

22

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Work Order ID: 139973

139973

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3717

Manufactured No

Each

7.0000

1

DAS

6

DAS

9-89

28

9-89

646 3717

Doubler

**

Location

Loc Qty

Loc Code

cck105

7

120633

7

646.3718

Manufactured No

Each

0.0000

2

**

646 3718

Custom Washer

DAS

27

646.3719

Manufactured No

Each

8.0000

2

DAS

6

DAS

28

9-89

9-89

646 3719

Doubler

DAS

27

9-89

**

Location

Loc Qty

Loc Code

cck105

8

120634

8

MS27039-1-10

Purchased No

Each

167.0000

2

DAS

6

DAS

28

9-89

9-89

MS27039-1-10

SCREW

**

Location

Loc Qty

Loc Code

CA

41

m128635

41

GA

50

m129541

50

ST280

73

m132677

73

ST285

3

m123522

2

m132640

1

DAS

6

9-89

DAS

28

9-89

DAS

27

9-89

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Work Order ID: 139973

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-11A

Purchased

No

Each

154.0000

10

AN3-11A

Bolt

John

Location

Loc Qty

Loc Code

over003

150

m133363

50

m133561

100

ST349

4

m133234

4

600.0990

Purchased

No

Each

19.0000

1

600 0990

Magnabond 6398 Part A

**DAS
27
9-89**

Location

Loc Qty

Loc Code

CA

12

M133800

12

PKG

7

M131589

7

600.0991

Purchased

No

Each

20.0000

1

600 0991

MAGNOBOND 6398 PART B

**DAS
27
9-89**

Location

Loc Qty

Loc Code

CA

12

m133800

12

PKG

8

m131589

8

**DAS
27
9-89**

2/11/2016

JAN 07 2016

**DAS
6
9-89
DAS
28
9-89**

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3911

Manufactured No

Each

66.0000

1

646 3911

Shim

DAS
6
9-89

DAS
28
9-89

BAS
27
9-89

Location

Loc Qty

Loc Code

cck104

18

126229

18

CCK106

48

126059

48

Each

36.0000

4

646.3912

Manufactured No

646 3912

Shim

DAS
6
9-89

DAS
28
9-89

BAS
27
9-89

Location

Loc Qty

Loc Code

cck023a

10

124501

10

CCK106

26

123143

26

Each

105.0000

1

646.3913

Manufactured No

646 3913

Shim

JAN 07 2016

DAS
6
9-89

DAS
28
9-89

BAS
27
9-89

Location

Loc Qty

Loc Code

cck023aq

81

126060

81

CCK106

24

124108

24

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Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-12A Purchased No

Each 109.0000 2

AN3-12A

Bolt

BAS
27
9-89

Location

Loc Qty

Loc Code

GA

5

m129682

5

ST349

104

m133064

16

m133234

88

MS27039-1-16

Purchased No

Each 132.0000

MS27039-1-16

Screw

BAS
27
9-89

Location

Loc Qty

Loc Code

ST285

132

m130388

4

m131317

28

m132344

100

650.9201

Manufactured No

Each 3.0000

650 9201

Eyelet Bracket Assembly

BAS
27
9-89

Location

Loc Qty

Loc Code

cck127

3

136204

3

AN44-5A

Purchased No

Each 24.0000

AN44-5A

Eyebolt

BAS
27
9-89

Location

Loc Qty

Loc Code

ST339

24

m126193

4

m133134

8

m133790

12

DAS
6
28
9-89

2 24. - MF per ECN-16-503

DAS
6
28
9-89

DAS
6
28
9-89

DAS
28
9-89

DAS
6
28
9-89
JAN 08 2016

Picklist Print

December 16, 2015 8:52:06 AM

Page 17

Work Order ID: 139973

139973

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN665-34R

Purchased

No

Each

42.0000

2

AN665-34R

Clevis

DAS 28
6 9-89
9-89

Location

Loc Qty

Loc Code

ST330

42

M130388

4

M133483

8

M133523

30

DAS
27
9-89

AN4C7A

Purchased

No

Each

82.0000

2

AN4C7A

BOLT

DAS 28
6 9-89
9-89

Location

Loc Qty

Loc Code

OVER002

20

m133523

20

ST340

20

m133363

20

ST345

42

m127363

22

m133790

20

DAS
27
9-89

NAS1149F0432P

Purchased

No

Each

704.0000

4

NAS1149F0432P

WASHER

DAS 28
6 9-89
9-89
JAN 08 2016

Location

Loc Qty

Loc Code

ST262

534

M132551

34

M133709

500

st268

170

M128995

45

M132677

125

DAS
27
9-89

December 16, 2015 8:52:06 AM

Shop Packet Print

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Picklist Print

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Page 18

Work Order ID: 139973

139973

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

Each

3,335.000

2

MS21042L4

Locknut

**BAS
27
9-89**

Location

Loc Qty

Loc Code

FP001

137

m133363

137

GA

49

m127813

49

ST260a

92

m130799

56

m132262

36

ST303

2924

m133769

2924

ST305

133

m128300

8

m130388

4

m130922

97

m132123

24

**DAS
6
9-89**

**DAS
28
9-89**

2

AN316C4R

Purchased

No

Each

89.0000

2

AN316C4R

NUT

**BAS
27
9-89**

Location

Loc Qty

Loc Code

ST331

89

m133234

43

m133523

46

Each

18.0000

2

MS21042-3

MS21042L3

Purchased

No

MS21042-3

Nut / use MS21042L3

**BAS
27
9-89**

Location

Loc Qty

Loc Code

ST304

18

M129682

18

DAS

6

9-89

DAS

28

9-89

M133790

JAN 07 2016

December 16, 2015 8:52:06 AM

Shop Packet Print

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Picklist Print

December 16, 2015 8:52:06 AM

Page 19

Work Order ID: 139973

139973

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-13

Purchased

No

Each

344.0000

2

MS27039-08-13

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST277

340

124326

340

ST281

4

M130388

4

Each

33.0000

2

MS21042-08

MS21042L08

Purchased

No

MS21042-08

USE MS21042L08

DAS
27
9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

Each

4,549.000

4

NAS1149FN832P

Purchased

No

NAS1149FN832P

Washer

DAS
27
9-89

Location

Loc Qty

Loc Code

GA

103

M133316

103

ST260a

2500

M133769

2500

ST262

1946

M133709

1946

DAS

6

9-89

DAS

28

9-89

JAN 07 2016

646.9400 21

per ECN 16-503
mvp

OK to ship per
Caitlin
12-1-16

December 16, 2015 8:52:06 AM

Shop Packet Print

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APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

04731

SHEET 1 OF 2

DWG NO. 646.4000

REV: A

PREPARED BY J. SOTO

DATE: 11/04/2014

EFFECT ON DWG
☒ INC. ☐ UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

ENGR

T. Brane

MFG

David Baeher

QC

[Signature]

EFF.

NEXT ORDER

TRANSACTION CODES (TC):
A-ADD
R-REVISE
C-CREATE
D-DELETE

REASON: REVISED BOM. INCORPORATED ECN 03046 AND 03079.

20151216 SW 139973

76	A	601.2764	4	4	WASHER	NAS1149FN832P	
75	A	601.2973	2	2	LOCKNUT	MS21042-08	
74	A	601.2988	2	2	SCREW	MS27039-0813	
73	A	601.2943	2	2	LOCKNUT	MS21042-3	
72	A	601.3128	2	2	NUT	AN316C4R	
71	A	601.3209	2	2	LOCKNUT	MS21042L4	
70	A	601.2638	4	4	WASHER	NAS1149F0432P	
69	A	601.2669	2	2	BOLT	AN4C7A	
68	A	601.3119	2	2	CLEVIS	AN665-34R	
67	A	601.3121	2	2	EYE BOLT	AN44-57	
66	A	650.9201	2	2	EYE BRACKET ASSY		
51	R	601.2926	10	10	BOLT	AN3-11A	
12	R	601.1624	53	61	LOCKNUT	MS21042L3	
11	R	601.1607	120	138	WASHER	NAS1149F0332P	
8	R	647.7703	2	2	STRUT ASSY		
7	R	647.0112	2	2	STRUT BRACKET		
F/N TC	PART NUMBER	.4003	.4001				
		QTY			DESCRIPTION	MATERIAL	SPECIFICATION

DOCUMENTS EFFECTED:

☐ MDL ☒ INSTALL INSTRUCTIONS ☒ ICA ☐ FMS ☒ BOM

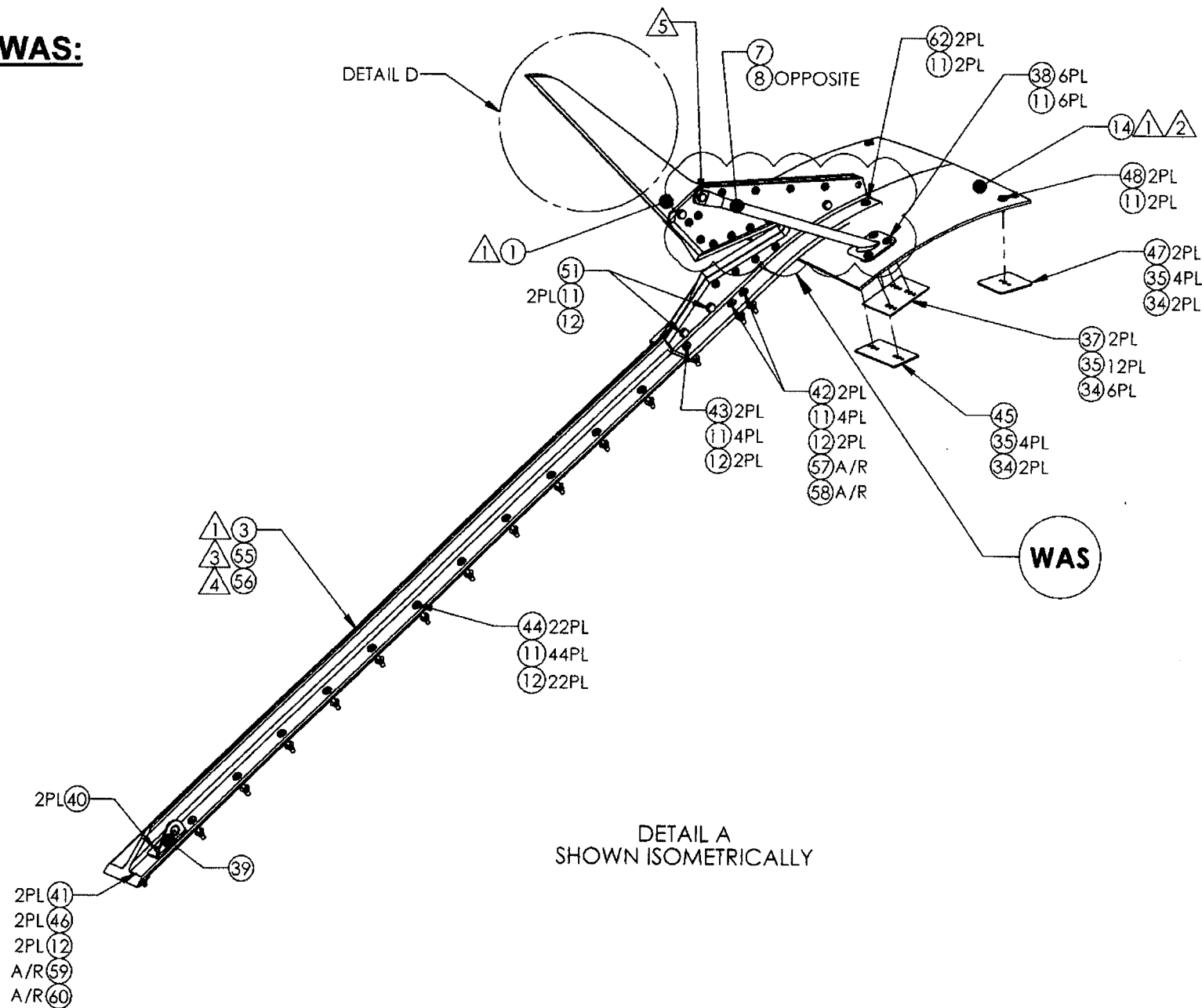
CHANGE CATEGORY

☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED

☐ YES ☒ NO

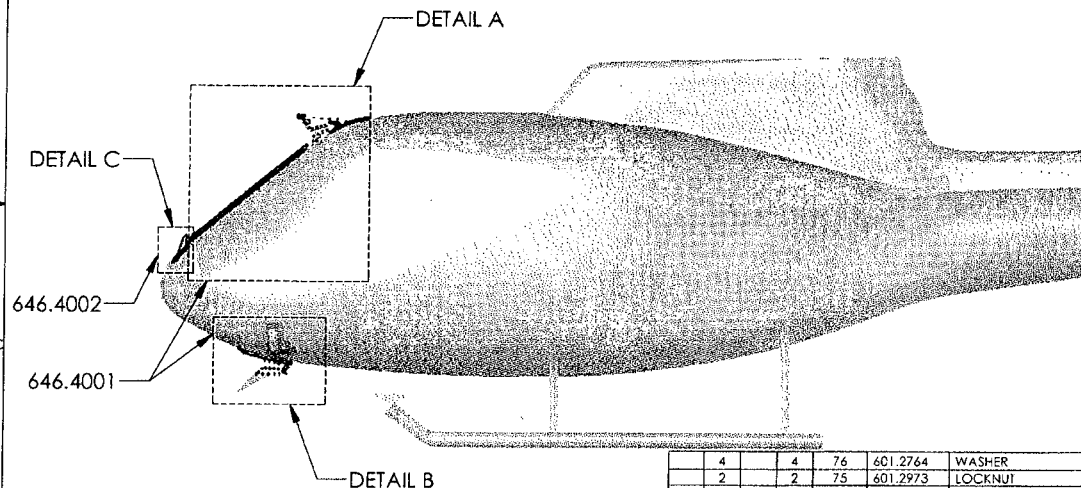
SHEET 2 WAS:



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NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES
- 2 INSTALL F/N 14 WITH F/N 52 & 53
- 3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMMASTER-CARR P/N 75935A651
- 4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE
VENDOR: R.S. HUGHES P/N 021200-24216
- 5 REUSE FASTENERS FROM F/N 1
- 6 USE WASHERS AS REQUIRED AS SHIMS TO OBTAIN BEST FITMENT
- 7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1



REF	REF	REF	QTY	PART #	DESCRIPTION	MATL	SPEC.
4	4	76	601.2764	WASHER	NAST149F0352		
2	2	75	601.2973	LOCKNUT	MS21042-08		
2	2	74	601.2988	SCREW	MS27039-0813		
2	2	73	601.2943	LOCKNUT	MS21042-3		
2	2	72	601.3128	NUT	AN316C4R		
2	2	71	601.3209	LOCKNUT	MS21042-4		
4	4	70	601.2638	WASHER	NAST149F0432		
2	2	69	601.2669	BOLT	AN4C7A		
2	2	68	601.3119	CLEVIS	AN465-34R		
2	2	67	601.3121	EYE BOLT	AN44-5A		
2	2	66	650.9201	EYE BRACKET ASSY			
REF	REF	REF	65	647.5701	GPS MOUNT KIT		
	6	64	601.3151	WASHER	NAST149F0353P		
	2	63	601.2911	SCREW	MS2469-4553		
2	2	62	601.2637	SCREW	MS27039-1-16		
2	2	61	601.2743	BOLT	AN3-12A		
1	1	60	646.3913	SHIM			
4	4	59	646.3912	SHIM			
1	1	58	646.3911	SHIM			
4	4	57	646.3910	SHIM			
5	5	56	600.1013	PRIMER			

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECHS 02199, 02351, 02719 & 02765	02/08/2016	P. BRAVO
B	INCORPORATED ECHS 03046, 03079 & 04731	11/04/2014	P. BRAVO

8 FT		8 FT	55	600.0129	VHB TAPE			
1	1	1	54	600.1012	SEALANT	PR-1423 CLASS B		
1		1	53	600.0991	MAGNABOND 6398 PART B			
1		1	52	600.0990	MAGNABOND 6398 PART A			
10		10	51	601.2826	BOLT	AN3-11A		
	2		50	646.3814	WIPER BRACKET			
	2		49	601.2910	SCREW	MS27039-1-18		
2		2	48	601.1365	SCREW	MS27039-1-10		
2		2	47	646.3719	DOUBLER			
	2	2	46	646.3718	CUSTOM WASHER			
1		1	45	646.3717	DOUBLER			
22	2	22	44	601.1948	SCREW	MS27039-1-19		
2		2	43	601.1952	SCREW	MS27039-1-20		
4		4	42	601.1956	SCREW	MS27039-1-21		
2		2	41	601.2829	SCREW	MS2469-4554		
2		2	40	601.2831	RIVET	MS20476ADS-7		
1		1	39	646.3716	GAUGE BRACKET			
6		6	38	601.1953	SCREW	MS27039-1-12		
2		2	37	646.3715	STRUT DOUBLER			
2		2	36	601.2824	BOLT	AN3-5A		
36		36	35	601.2277	RIVET	CCRM45-300		
18		18	34	600.0795	NUTPLATE	MS21047-3		
3		3	33	601.2565	RIVET	MS20476ADS-7		
1		1	32	646.3813	STRUT BRACKET			
4		4	31	601.2822	BOLT	AN3-3A		
2		2	30	646.3812	GUSSET BRACKET			
8		8	29	601.2564	RIVET	MS20476ADS-6		
1		1	28	646.3714	GUSSET			
	1	1	27	646.3610	FILLER			
	1	1	26	601.2830	SCREW	MS2469-4555		
	2	2	25	601.2825	BOLT	AN3-6A		
	1	1	24	646.3811	RADIUS BLOCK			
	1	1	23	646.3712	CLIP			
	1	1	22	646.3711	CLIP			
8		8	21	601.2832	RIVET	MS20476ADS-5		
14		14	20	601.2020	RIVET	CR3213-5-3		
10		10	19	601.2823	BOLT	AN3-4A		
	1	1	18	601.2827	BOLT	AN3-13A		
	5	5	17	601.2912	SCREW	MS2469-4551		
	1	1	16	646.3713	GUSSET			
	1	1	15	646.3210	SUPPORT			
	1	1	14	646.3710	DOUBLER			
	1	1	13	646.3110	CHANNEL			
8	53	6	61	12	601.1624	LOCKNUT	MS21042L3	
18	120	16	138	11	601.1607	WASHER	NAST149F0337P	
		1	10		646.3410	LH WIPER DEFLECTOR		
		1	9		646.3411	RH WIPER DEFLECTOR		
	2	2	8		647.7703	STRUT ASSY		
	2	2	7		647.0112	STRUT BRACKET		
	1	1	6		646.3511	STRUT		
	1	1	5		646.3510	STRUT		
2		2	4		646.3810	BRACKET		
	1	1	3		646.2910	DEFLECTOR		
	1	1	2		646.3001	LOWER CUTTER ASSY		
	1	1	1		646.3301	UPPER CUTTER ASSY		
X					646.4004	FIXED PROVISIONS KIT		
	X				646.4003	CABLE CUTTERS KIT (W/ROOT TIES)		
		X			646.4002	PROVISIONS KIT		
			X		646.4001	AS350 WIPER DEFLECTOR KIT		
				X		AS350 CABLE CUTTERS KIT		
4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

QTY NEXT ASSY (S)		ORIGINAL DATE DRAWN BY S. HURF P. BRAVO DATE 08/27/08 CONTRACT NO.		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ± .01 4 ANGLES ± .5°		SCALE NONE		SHEET 1 OF 4	

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REF 65 7 1

REF 1

DETAIL D
TYPICAL GPS MOUNT KIT INSTALLATION

DETAIL D

51 2 PL
11 4 PL
73 2 PL

69 2 PL
71 2 PL
70 4 PL
66 2 PL
67 2 PL

62 2 PL
11 2 PL

38 6 PL
11 6 PL

14 1 2

48 2 PL
11 2 PL

47 2 PL
35 4 PL
34 2 PL

37 2 PL
35 12 PL
34 6 PL

45 35 4 PL
34 2 PL

42 4 PL
11 8 PL
12 4 PL
57 A/R
58 A/R

43 2 PL
11 4 PL
12 2 PL

2 PL 7
2 PL 74
4 PL 75
4 PL 76

2 PL 51
4 PL 11
2 PL 12

2 PL 68
2 PL 72

1 1

1 3
3 55
4 56

44 22 PL
11 44 PL
12 22 PL

2 PL 40

2 PL 41
2 PL 12
2 PL 46
A/R 59
A/R 60

39

DETAIL A
SHOWN ISOMETRICALLY

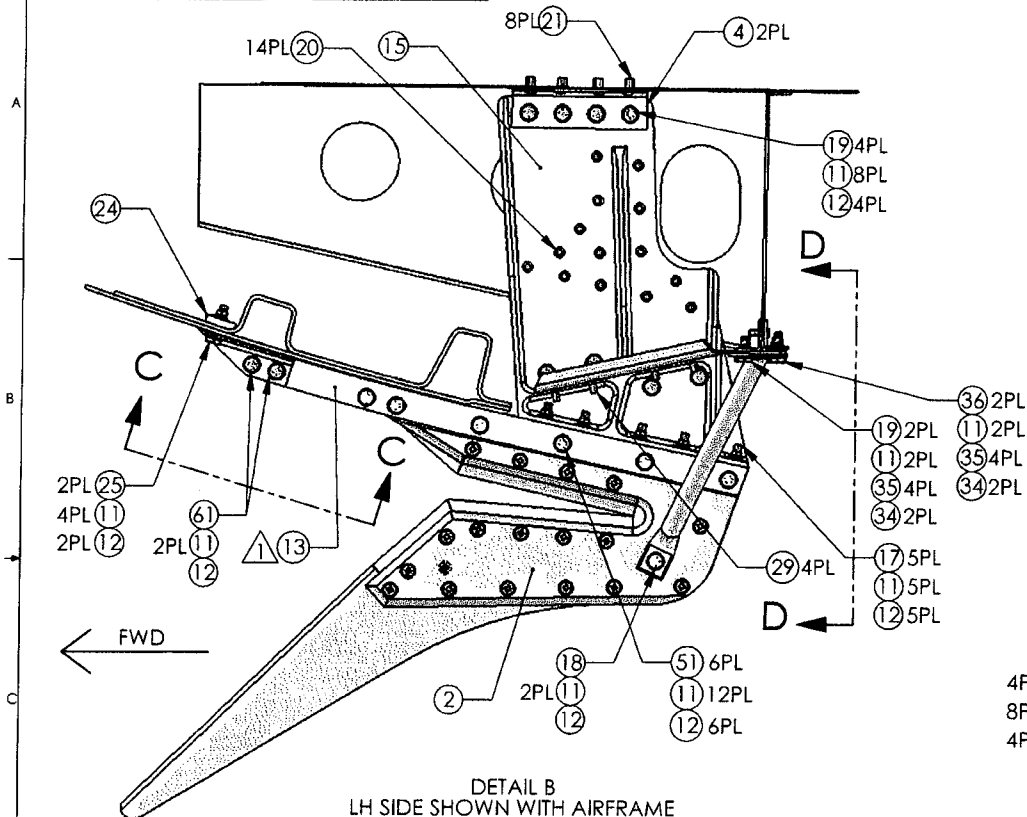
ORIGINAL DATE 18-27-08		APICAL INDUSTRIES	
DRAWN BY S. HUFF		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		AS350 CABLE CUTTERS KIT	
CONTRACT NO.		SCALE: NONE	SHEET 2 OF 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS ± .01 2 PLACE DECIMALS ± .005 ANGLES ± .5°		SIZE B	REV. B
CAGE CODE 07M26		DWG. NO. 646.4000	

DETAIL A
SHOWN ISOMETRICALLY

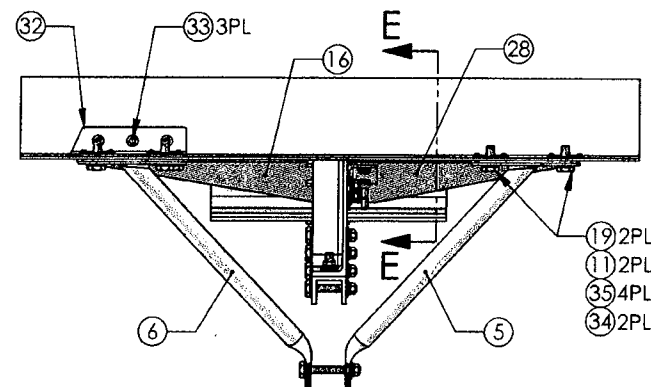
ORIGINAL DATE (M/D-YR) 08-27-08	APICAL INDUSTRIES			
DATE REV'D 5/11/11	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
DRAWING APPROVAL P. BRAVO	AS350 CABLE CUTTERS KIT			
CONTRACT NO.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. FRACTIONAL DIMENSIONS .125 2. DECIMAL DIMENSIONS .005 ANGLES .5			
	SIZE B	CAGE CODE 07M26	DWG. NO. 646.4000	REV. B
	SCALE: NONE		SHEET 2 OF 4	

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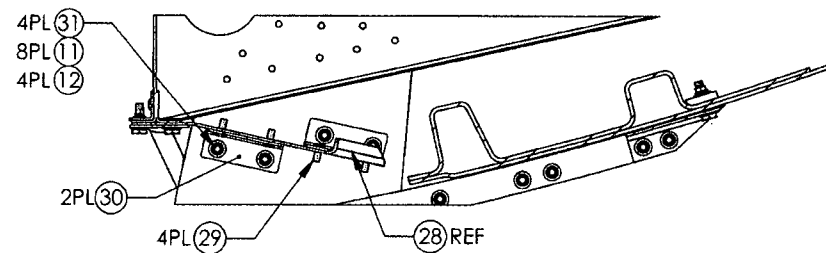
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



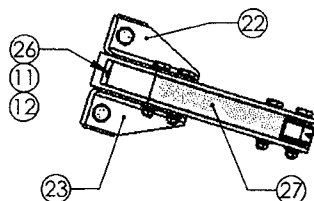
DETAIL B
LH SIDE SHOWN WITH AIRFRAME



SECTION D-D
CUTTER HIDDEN FOR CLARITY



SECTION E-E



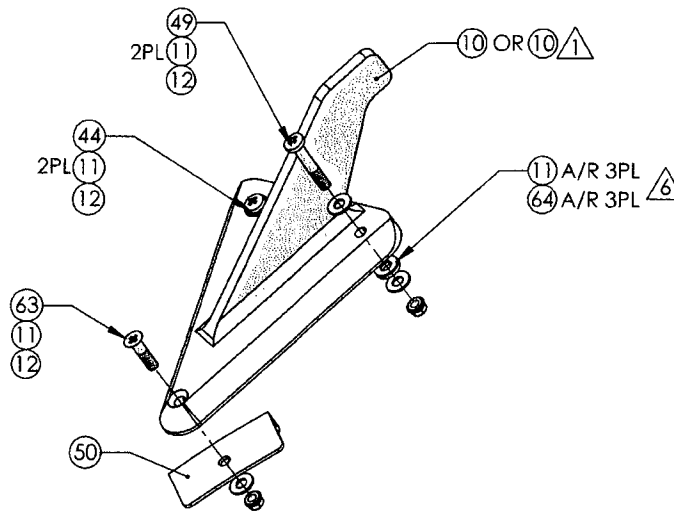
SECTION C-C

ORIGINAL DATE 08-27-08		APICAL INDUSTRIES	
DESIGNED BY S. HUFF	CHECKED BY P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO	DATE 08-27-08	AS350 CABLE CUTTERS KIT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± 5°		SHEET CODE B 07M26	REV B
SCALE NONE		DWG. NO. 646.4000	SHEET 3 OF 4

1 2 3 4 5 6 7 8

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 THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



DETAIL C
 LH SHOWN EXPLODED
 RH OPPOSITE

ORIGINAL DATE 08-27-08		APICAL INDUSTRIES	
DRAWN BY J. HUPP		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY P. BRAVO		AS350 CABLE CUTTERS KIT	
APPROVED BY P. BRAVO		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°	
CONTRACT NO.		SHEET 8	REV 8
		SCALE NONE	SHEET 4 OF 4

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NOTES:

1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.

2 INSTALL F/N 14 WITH F/N 52 & 53.

3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMASTER-CARR P/N 75935A651.

4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.

5 REUSE FASTENERS FROM F/N 1.

6 USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.

7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

8 INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.

9 NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

	5		5	78	601.3875	SCREW	MS24694554			
	1		1	77	646.9410	SHIM				
			4	76	601.2764	WASHER	NA51149FH832P			
			2	75	601.2973	LOCKNUT	MS21042-08			
			2	74	601.2988	SCREW	MS27039-0813			
			2	73	601.2943	LOCKNUT	MS21042-3			
			2	72	601.3128	NUT	AN316C4R			
			2	71	601.3209	LOCKNUT	MS21042-4			
			4	70	601.2638	WASHER	NA51149FG432P			
			2	69	601.2669	BOLT	AN4C7A			
			2	68	601.3119	CLEVIS	AN665-34R			
			2	67	601.3121	EYE BOLT	AN44-5A			
			2	66	650.9201	EYE BRACKET ASSY				
	REF	REF		65	647.5701	GPS MOUNT KIT				
				64	601.3151	WASHER	NA51149FG363P			
			2	63	601.2911	SCREW	MS24694553			
		24	24	62	601.2637	SCREW	MS27039-1-16			
	2	2	2	61	601.2763	BOLT	AN3-12A			
			1	60	646.3913	SHIM				
			4	59	646.3912	SHIM				
			1	58	646.3911	SHIM				
			4	57	646.3910	SHIM				
			5	56	600.1013	PRIMER				
		8 FT	8 FT	55	600.0129	VHB TAPE				
		1	1	54	600.1012	SEALANT	PR-1425 CLASS B			
			1	53	600.0991	MAGNOBOND 639B PART B				
			1	52	600.0990	MAGNOBOND 639B PART A				
	6	10	10	51	601.2826	BOLT	AN3-11A			
			2	50	646.3814	WIPER BRACKET				
			2	49	601.2910	SCREW	MS27039-1-18			
	2		2	48	601.1365	SCREW	MS27039-1-10			
	2		2	47	646.3719	DOUBLER				
		2	2	46	646.3718	CUSTOM WASHER				
		1		45	646.3717	DOUBLER				
		22	2	22	44	601.1948	SCREW	MS27039-1-19		
		2		2	43	601.1952	SCREW	MS27039-1-20		
				4	42	601.1956	SCREW	MS27039-1-21		
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ICH-02/01/01, 02/01, 02/17 & 02/18	03/08/2010	P. BRAVO
B	INCORPORATED ICH-03/04/04, 03/07 & 04/31	11/04/2014	P. BRAVO
C	INCORPORATED ICH-06/08	09/07/2015	P. BRAVO

		2		2	41	601.2829	SCREW	MS24694554		
		2		2	40	601.2831	RIVET	MS20436AD5-7		
		1		1	39	646.3716	GAUGE BRACKET			
		6		6	38	601.1953	SCREW	MS27039-1-12		
	2	2		2	37	646.3715	STRUT DOUBLER			
		2		2	36	601.2824	BOLT	AN3-5A		
12	36			36	35	601.2277	RIVET	CCR9445S-349		
6	18			18	34	600.0795	NUTPLATE	MS21047-3		
3	3			3	33	601.2565	RIVET	MS20470AD5-7		
1	1			1	32	646.3813	STRUT BRACKET			
4	4			4	31	601.2822	BOLT	AN3-3A		
2	2			2	30	646.3812	GUSSET BRACKET			
8	8			8	29	601.2564	RIVET	MS20470AD5-6		
1	1			1	28	646.3714	GUSSET			
	1		1	1	27	646.3610	FILLER			
	3		3	3	26	601.2830	SCREW	MS24694555		
	2		2	2	25	601.2825	BOLT	AN3-6A		
	1		1	1	24	646.3811	RADIUS BLOCK			
	1		1	1	23	646.3712	CLIP			
	1		1	1	22	646.3711	CLIP			
8	8			8	21	601.2832	RIVET	MS20470AD5-5		
14	14			14	20	601.2020	RIVET	CR3213-5-3		
4	6	4	6	10	19	601.2823	BOLT	AN3-4A		
	1	1	1	1	18	601.2827	BOLT	AN3-13A		
	5		5	5	17	601.2912	SCREW	MS24694551		
1	1			1	16	646.3713	GUSSET			
1	1			1	15	646.3210	SUPPORT			
	1			1	14	646.3710	DOUBLER			
	1	1		1	13	646.3110	CHANNEL			
14	10	8	53	6	61	12	601.1624	LOCKNUT	MS21042-3	
16	32	18	120	16	144	11	601.1607	WASHER	MS21149FG33P	
				1	10	646.3410	LH WIPER DEFLECTOR			
					9	646.3411	RH WIPER DEFLECTOR			
			2	2	8	647.7703	STRUT ASSY			
			2	2	7	647.0112	STRUT BRACKET			
	1	1		1	6	646.3511	STRUT			
	1	1	1	1	5	646.3510	STRUT			
2		2		2	4	646.3810	BRACKET			
			1	1	3	646.2910	DEFLECTOR			
	1			1	2	646.3001	LOWER CUTTER ASSY			
			1	1	1	646.3301	UPPER CUTTER ASSY			
X						646.4006	LOWER CUTTER FIXED PROVISIONS			
	X					646.4005	LOWER CUTTER REMOVABLE PROVISIONS			
		X				646.4004	FIXED PROVISIONS KIT			
			X			646.4003	CABLE CUTTERS KIT WITHOUT FIXED PROVISIONS			
				X		646.4002	AS350 WIPER DEFLECTOR KIT			
					X	646.4001	AS350 CABLE CUTTERS KIT			
4006	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

QTY		PARTS LIST	
NEXT ASSY (S)		ORIGINAL DATE: 08-27-08 DRAWN BY: J. CHENER E. HUFF P. BRAVO DRAWING APPROVAL: P. BRAVO 08/27/08 CONTRACT NO.: UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DECIMALS: ±0.010 2 PLACE DECIMALS: ±0.005 ANGLES: ±.5°	
3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 DART AEROSPACE AFICAL INDUSTRIES, INC. DBA DART AEROSPACE		AS350 CABLE CUTTERS KIT CAGE CODE: 07M26 DWG. NO: 646.4000 SCALE: NONE SHEET 1 OF 5	

Melanie Fauteux

From: Caitlin Crooks
Sent: Friday, January 15, 2016 2:25 PM
To: Melanie Fauteux
Subject: FW: 646.9410 ORDERS SHIPPING TODAY

From: Chacon, Julian [mailto:julian.chacon.external@airbus.com]
Sent: Friday, January 15, 2016 2:24 PM
To: Jackson Lin <jlin@dartaero.com>
Cc: Caitlin Crooks <ccrooks@dartaero.com>
Subject: RE: 646.9410 ORDERS SHIPPING TODAY

Hello Jackson, it's Ok. Please confirm chipping date for the shims as soon as you can.

Regards



Julián Chacón

Logistic & Procurement Responsible
Airbus Helicopters México S.A. de C.V.
Phone: (+52 55) 57 16 75 55 Ext. 305
julian.chacon.external@airbus.com

Airbus AOG assistance:

Phone: (+52 1) 55 54 36 07 32

Customer.assistance-mx@airbus.com

From: Jackson Lin [mailto:jlin@dartaero.com]
Sent: viernes, 15 de enero de 2016 09:48 a.m.
To: Chacon, Julian
Cc: Caitlin Crooks
Subject: FW: 646.9410 ORDERS SHIPPING TODAY
Importance: High

Hi Julian,

I got the following notification about your PO for the 3 cable cutter systems:

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																									
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

For the following orders THAT ARE SCHEDULED TO SHIP TODAY

*****Please confirm ASAP IF WE CAN SHIP TODAY WITH OUT THE SHIM. THE SHIMS WILL SHIP AT A LATER DATE (4-5 WEEKS)

So124254 Airbus Helicopters Mexico (PO MX-4510004382)

I think that the best scenario here is as follows:

1. Sales Account Manager advise our customer that:
 - The kits are shipping as planned.
 - Shipment will be partial as shims are missing from the kits.
 - We intend to complete their kits by providing them with the shims in about 4-5 weeks, once we have them in stock.
 - If they are installing the kits within the next 3-4 weeks and do need the shims, DART Tech Support ON/CA can fully support them with the installation.
2. Ship the kits tomorrow as planned (unless the SAM gets back to us stating we can ship the kits at a later date).

We just wanted you to be aware that the shims will be shipped at a later date. I was informed that in most cases, the customer can make its own shims so if it was urgent for you to install, your team could do it themselves and DART technical support will help you via telephone/email. For information about the shims, see the attached Installation Instructions, page 12 and 13.

So unless you have an objection and prefer to wait for the shim before we ship, DART will ship the Cable Cutter Kits today without the shims and the shims will be sent when we receive them in 4 or 5 weeks.

Regards,
Jackson

JACKSON LIN

Manager, Business Development and Strategic Accounts

DART AEROSPACE

T 1 613 632-5200 > 275

C 1 514 850-7484

Skype: dart-jlin

1 800 556-4166

www.dartaerospace.com



DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							